

SWIM Connect 2014

Get Plugged In...

*Industry View:
What's in it for me*



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Date: September 30, 2014



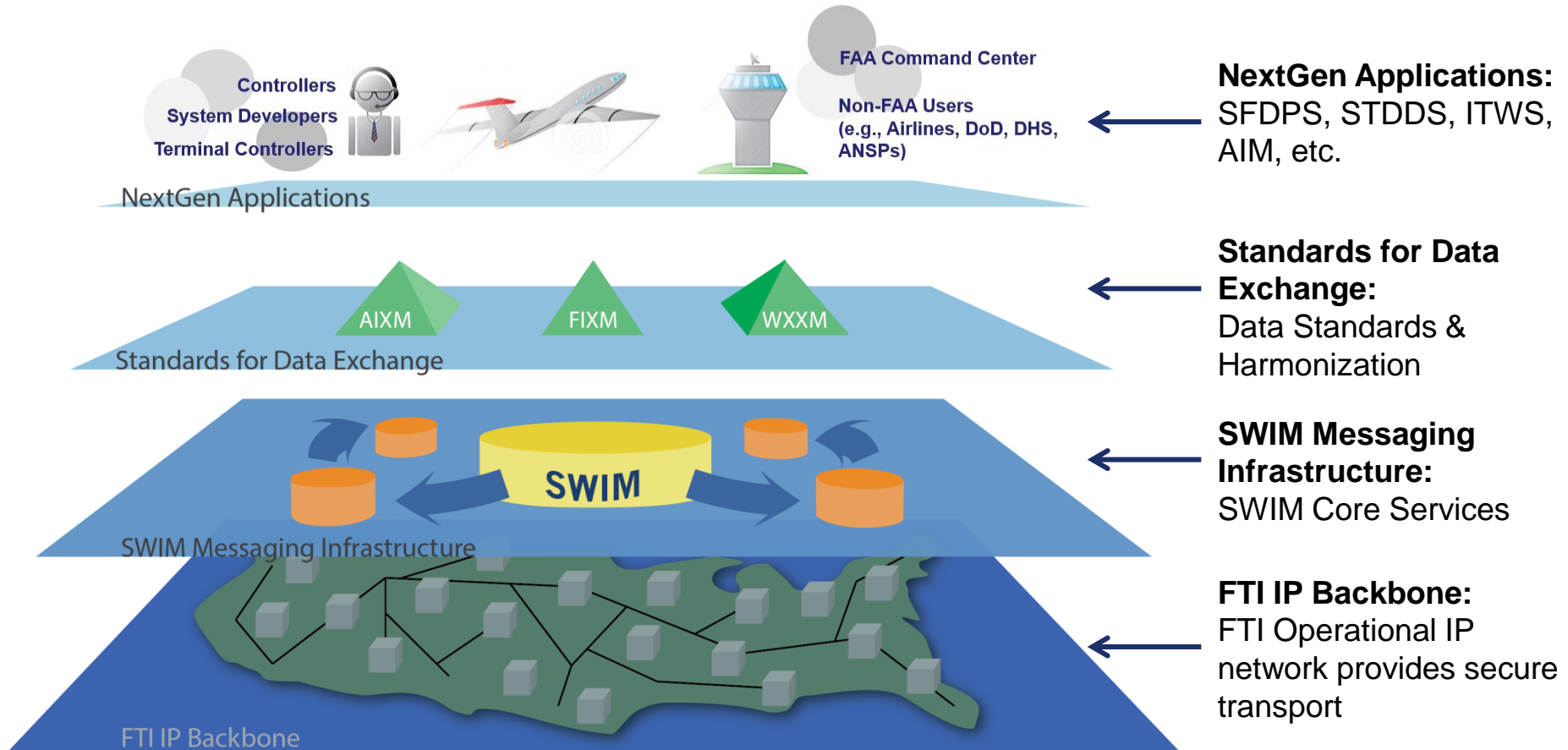
Federal Aviation
Administration

SWIM
connect2014
GET PLUGGED IN...



Q:

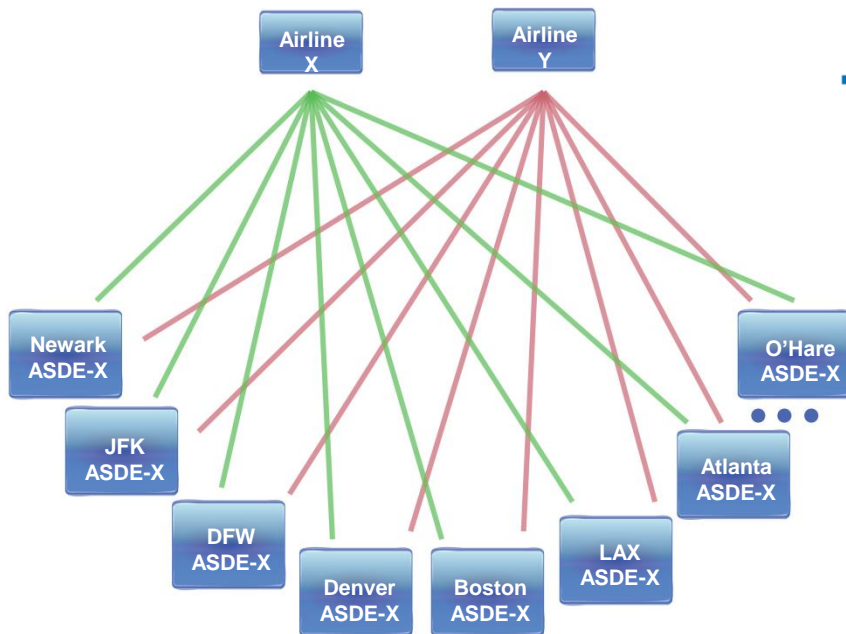
Where is SWIM realized in the NextGen Architecture?



What are the Benefits of SWIM?

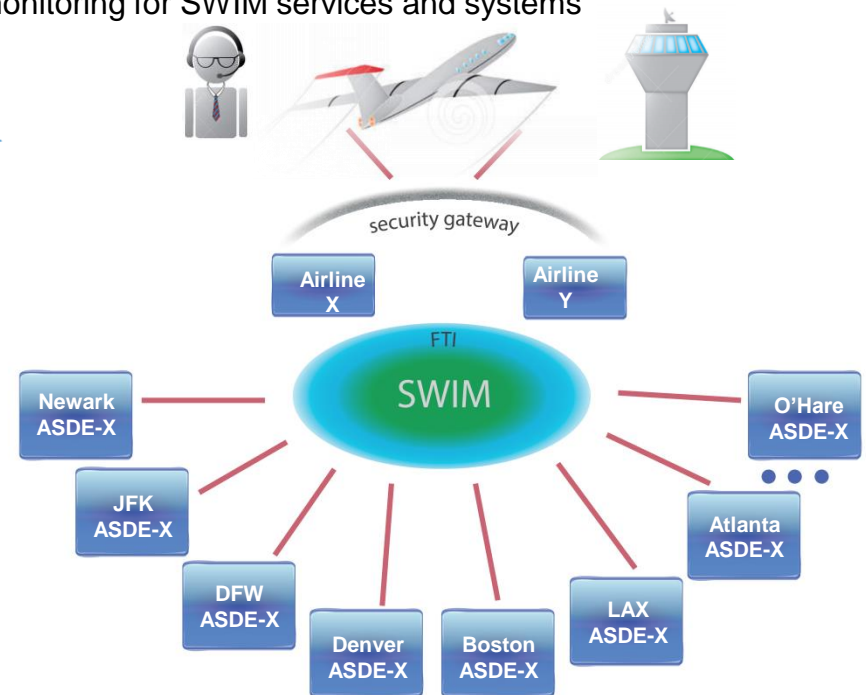
Q:

- Provides single access connection point for multiple published products
- Single SWIM organization contact for application to consume products
- SWIM publicized list of available FAA content products (NSRR)
- Single contact for support for access to multiple products
- Industry standard connection interfaces and jumpstart kit facilitates consumer stand-up
- Replaces unique interfaces with modern standards-based data exchange
- Scalable Services Oriented Architecture to effectively accommodate growth
- Provides enterprise security services for all consumers
- Provides enterprise monitoring for SWIM services and systems



Before SWIM:

Point-to-point connections



With SWIM:

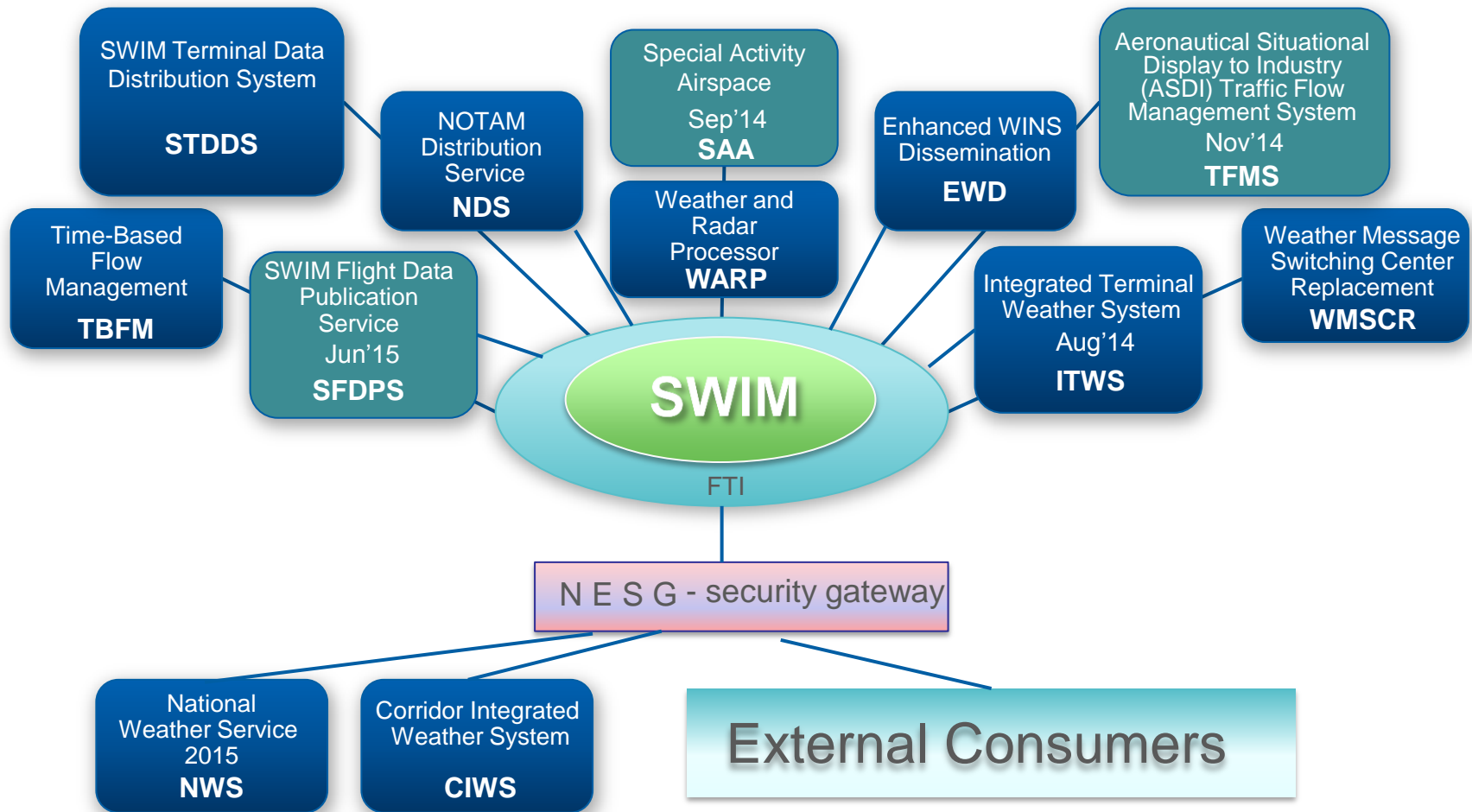
Data Exchange
(Published once, consumed by many)

get plugged in...

ADMINISTRATION

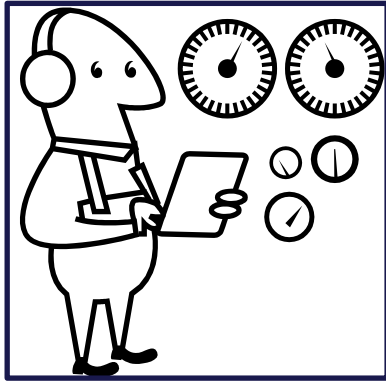
Q:

What FAA Programs Publish Content Through SWIM Today?

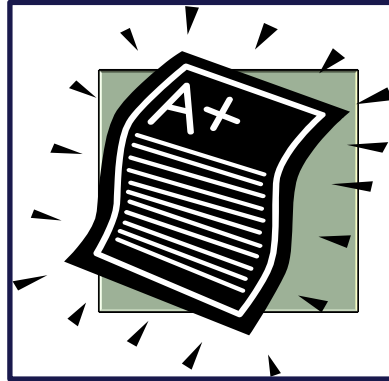


Q:

*Are FAA Facilities available to support
SWIM On-Ramping?*



**R&D
Environment**



**FAA Formal
Test Bed**



**NAS
Deploy Service**

Q:

*What is deployed today
through SWIM?*



Q:

How do Get Started?

- Email your request to: Data-To-Industry@faa.gov
- Useful Documentation:
 - NSRR list of SWIM products and business services:
Visit FAA SWIM Website (below), and click on “NAS Service Registry and Repository (NSRR)” on right side
 - FTI OPIP User Guide (for External Connections)
 - SWIM User Guide
 - SWIM Jump-start Kit

Available Documents Available on FAA SWIM Website:
www.FAA.gov/NextGen/SWIM

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Q:

What is the plan for providing services through SWIM?

Program	Discovery	Architecture, Requirements	Qualification (Data Arch, Design, HSV test)	Operations Rollout / Cutover
Terminal Automation Modernization and Replacement (TAMR)	In Progress	In Progress	TBD	Sep'15
Data Comm Network Services (DCNS) Monitoring Service	In Progress	In Progress	TBD	2015
NAS Information Display System (NIDS) Consumer	In Progress	In Progress	TBD	2015
Aeronautical Information Management (AIM) Segment 2	In Progress	In Progress	TBD	2015+
Common Support Services – Weather (CSS-Wx)	In Progress	In Progress	TBD	2015+
Terminal Flight Data Manager (TFDM)	In Progress	In Progress	TBD	2015-16

Who is Using SWIM today?

Q:

Consumer	Data Type / Subscription
Airlines	
American Airlines	ASDE-X / LGA, BOS, MIA
Delta Airlines	ASDE-X / LGA
FedEx	ASDE-X / MEM
JetBlue	ASDE-X /all airports
United Airlines	ASDE-X / all airports
USAIR	ASDE-X / PHX, DCA

Airports, FAA Facilities, & FAA Programs	
Atlanta Airport Authority	ASDE-X / all airports
San Francisco (SFO) Airport Authority	SFO Airport Surface Surveillance Capability (ASSC) data
Southern California TRACON	ASDE-X / San Diego, Los Angeles, Long Beach airport data
CIWS	WMSS NEXRAD /all radar sites
CRCT	ASDE-X / LGA, EWR, JFK
OASIS	HWDS / all products
WARP	Enhanced WINS

Consumer	Data Type / Subscription
Research & Development	
Kent State	CIWS / all products
MIT - Lincoln Labs	ASDE-X / all airports, WMSS NEXRAD
MITRE	ASDE-X / all airports
Volpe	ASDE-X / all airports

Industry	
Alliance	ASDE-X / MEM, ATL, JFK
ARINC	CIWS / all products
Lockheed Martin	ASDE-X/ ATL, CLT, MSP, DTW, BOS, IAD, LAS
MOSAIC ATM	ASDE-X / LGA, JFK, BOS, ATL, PHL, EWR, ORD, IAD, CLT; ITWS / all products
Passur	ASDE-X / all airports / STDDS
Rockwell Collins	CIWS / all products
Sabre	ASDE-X / all airports; ITWS / all products
Sensis	ASDE-X / ATL, JFK
Veracity	ASDE-X / LGA